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Manistee Anderson Creek Project

June through October, 2007

An important cold water tributary to the middle section of the Manistee River, Anderson Creek holds rainbow and brown trout and was negatively impacted by the Number 6 Road Crossing southeast of Buckley. Twin concrete culverts and steep, eroding embankments impounded water upstream and caused scour below the road. The old culverts were removed, the channel was realigned with a larger, longer tube, and the road surface was paved to control road runoff.

Primary funding for this project was applied for from the USFWS in 2004, and funding was granted in 2005. Construction was delayed in 2006 due to a busy construction schedule, and an extension was granted until the project was completed in fall of 2007. During the interim, matching funds were sought from other organizations, and \$2500 was granted by the Kalamazoo Valley TU Chapter to support paving at the site.

Wexford County Road Commission contributed in excess of \$70,000 of labor and equipment to the project, while the balance of costs were covered by a USFWS grant and KVTU, along with River Care.

Project Cost: \$108,000

Contributors:

US Fish & Wildlife Service
Wexford County Road
Commission
CRA's River Care Fund
Kalamazoo Valley Chapter of
Trout Unlimited

Location

Section 10 of Hanover
Township Wexford Co., MI
GPS N44.48197 W85.62003



Best Management Practices:

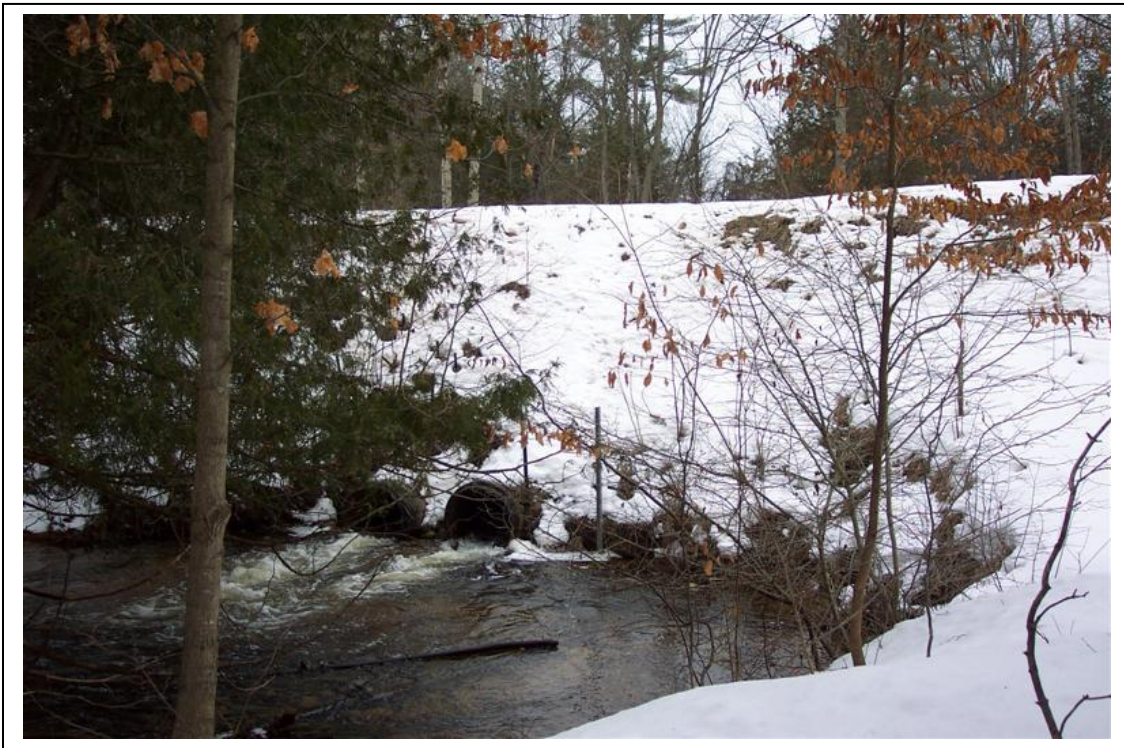
- removal of existing culverts
- Installation of larger, longer culvert
- road and ditch runoff control
- pavement and curbing
- revegetation
- stream channel enhancement
- streambank stabilization

Project Benefits:

- Estimated 8 tons/yr reduction in sand loading to the river, benefiting many aquatic and terrestrial species
- Enhanced passage for fish
- Improved aesthetics
- Reduced flooding potential and maintenance costs

Partners involved:

•Conservation Resource Alliance •Wexford County Road Commission •US Fish & Wildlife Service •Michigan Department of Environmental Quality
•Michigan Department of Natural Resources, Fisheries Division



Small, short culverts caused both a plunge pool at the outlet and embankment erosion along the road shoulder.



The completed site includes a wider culvert, flatter side slopes, and a paved road with runoff control visible in the center of the photograph.